

ORDNANCE AND EXPLOSIVES PROJECT MANAGEMENT PLAN

Original Date: 25 May 1999

Revised Date: 10 April 2000

1. SITE NAME: Former Fort Segarra

a. PROJECT TYPE: I02VI097700

b. LOCATION:

Water Island

Virgin Islands of the United States

c. PROJECT NUMBER: I02VI097701

d. CATEGORY: Ordnance & Explosives (CWM)

Engineering Evaluation/Cost Analysis(EE/CA)

2. POINTS OF CONTACTS:

a. PROJECT MANAGER:

Name: Robert Bridgers

Office: CESAJ-DP-I

Phone: (904) 232-3580

TECHNICAL MANAGER

Name: Roger Fitzpatrick

Office: CEHNC-OE-DC

Phone: (256) 895-1555

b. DIVISION POC:

Name: Sharon Taylor

Office: CESAD-PM

Phone: (404) 562-5212

HEADQUARTERS POC:

Name: Sara E. Goodwin

Office: CEMP-RF

Phone: (202) 761-5223

c. PROPERTY OWNER:

Name: Edgar Johnson

Office: Dept. of Interior

Phone: (202) 208-7071

CONSTRUCTION PM:

Name: Daniel Mog

Office: Bureau of Reclam.

Phone: (303) 236-9120x232

3. SITE DESCRIPTION: The Former Fort Segarra is located on Water Island, fourth largest of the US Virgin Islands, 2000ft from St. Thomas. It has steep, rocky slopes and highly indented coast with a maximum elevation of 290ft. Access is by boat only. There are several hundred residents, but no commercial facilities. There is heavy recreational and commercial traffic in the surrounding waters. Ground water is not usable. There are 11 identified archeological sites, 5 Federally and 2 Territorially Listed endangered species.

4. SITE HISTORY: From May 1948 to September 1950, the US Army Chemical Corps used the island for testing and storage of chemical munitions. In 1952 permanent control of the island was transferred to the Department of Interior, which leased it to a developer. In 1985, DOI was informed of a 1966 incident in which two chemical bombs were discovered by constructors. EOD personnel responded from Roosevelt Roads Naval Station, vented, and removed two M-70/78 series bombs. CEHNC has been involved since 1990.

5. PREVIOUS SITE ACTIVITIES

a. An archive search was completed in July 1991. Topographic mapping and isolation of the incident area by fencing was accomplished in October 1991. A Draft Work Plan for emergency removal was prepared in March 1992. A Work Plan for RI/FS characterization was submitted in January 1993. Finally a Work Plan for non-intrusive investigation submitted in December 1993 received approval 11 March 1994. The execution of this work between 14 March and 10 June 1994 resulted in the identification of three areas south of Flamingo Bay warranting further investigation.

b. The initial Site Safety Submission was completed 30 Jun 94. The Site Safety Submission as reassembled by CESAJ on 1 Aug was reviewed as requested by CESAD. Comments from CESAJ were received 30 Sep. USACMDA was contacted on 26 & 28 Sep. The revised Interim Holding Facility Plan, incorporating comments reviewed at the 23 Jun conference, was forwarded directly to MTA 5 Oct. A meeting with the contractor to screen all comments was held 6 Oct. A meeting among CESAD, CESAJ, CEHNC, and MTA was held 19 Oct. CESAJ's corrected Protective Action Plan was received 1 Nov. The SSS was reproduced and forwarded 9 Dec. Removal of non-DOD, investigation derived HTW from Water Island was accomplished on 8 Feb 95. The Site Safety Submission was transmitted to SAD 19 Mar 95. SAD returned it to the District as incomplete without medical support. Those SAD comments which could be addressed by our contractor were responded to on 26 Apr 95.

c. CEHNC met with CESAJ project managers in Huntsville on 23 Jun 95. This and other program projects were discussed. After several attempts to negotiate Medical support from ASCOM, CESAJ officially requested CESAD on 15 Sep 95 to obtain it from DA. This request was endorsed by CESAD on 4 Oct 95 and forwarded to CEMP. CEMP did not concur.

A meeting with USN Hospital Roosevelt Roads, Puerto Rico was held on 30 Oct 96. A Memorandum of Agreement for medical support was outlined. The prepared

d. document was forwarded from CESAJ on 22 NOV 96 and signed in FEB 97. Updated Interim Holding Facility Plan and Transportation Plan were provided by PMNSCM in Aug 98.

e. Updated USATEU Operation Plan for incorporation in the Site Safety Submission was received 27 Feb 99. A revised CESAJ Protective Action Plan, without medical transportation in place, was furnished in Jan 99.

f. Except for areas to be investigated, the Department of Interior has transferred ownership to individual residents and jurisdiction to the Territorial Government effective Dec 96. The latter has constructed a helicopter landing pad that is suitable, accessible and available for project use. In conjunction with the transfer, the DOI arranged with the Bureau of Reclamation to contract for the removal of the ruined hotel structure and appurtenances. This project used the surface area of investigation site "Area 5" for

holding building rubble for removal by the USVI. This covered several anomalies scheduled for investigation with 12-14 ft of overburden. The operation also resulted in a rebuilt deep water dock suitable, accessible and available for project use.

- 6. CURRENT STATUS:** The specific exclusion of the MCE (500lb CK bomb) for site Flamingo Bay from the IHF and Transportation Plans was discussed in conference at CESAD in Nov 99. Though the issue was thought to be resolved, there was no suitable contingency for recovery and transport of a liquid CK filled munition. ECBC advised that a suitable drill and tap methodology would be coordinated with the British Sep-Nov 99. Drill and tap methodology was demonstrated in the United Kingdom in Nov 99 and is reported to be adaptable for project purposes. The second phase of the method, CK destruction, is scheduled to be conducted in late Jun 00.

Resolution of disposition of a liquid CK filled munition is critical to continuation of the project. The final report on the procedure is not expected to be issued by PM-NSP before Sep 00.

- 7. ISSUES AND CONCERNS:** USEPA Region II sent a letter to CESAJ 17 Feb 00 proposing to add the Flamingo Bay site alone to the Federal Agency Hazardous Waste Compliance Docket and requiring a "Site Inspection" be submitted to EPA for their determination for the National Priority List.

- 9. FUNDING:** For Official Use Only

10. CONTRACTING STRATEGY:

The current contract, DACA87-92-D-0147 DO 005 has been closed out.

A follow on contract for compilation of the EE/CA will be put into place 3rd quarter.